BOSCH

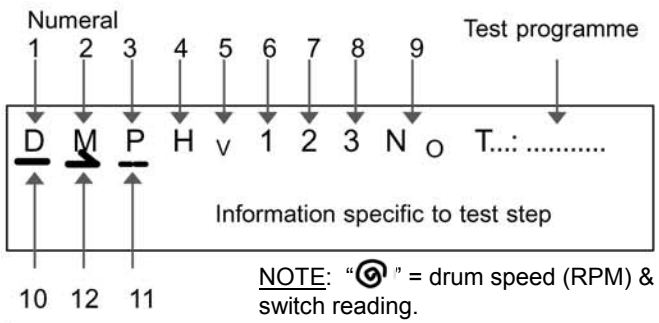
WFR 2460 Service Tips -- Test Program (1)

The **WFR 2460UC** washers have test programs enabling the washers to self-diagnose problems, including listing the last 8 fault codes.

Selecting test programme

Operation	Implementation	Display
Activate	Rotate selector switch to ***Off*** position. Press & hold ***Menu*** & ***Select*** buttons (located under display), then rotate selector switch **ccw** to ***Permanent Press Cold*** until display comes on.	>START>MENU T1: ERRORS LA – Er: ..... When the test programme is accessed, the last error is displayed with LA–Er: See next page for error codes.
Select	Select the particular test programme with the menu button **HINT**: Push ***Menu*** button to scroll through all tests to select desired test. Red light on ***Start/ Pause*** button flashes to show tests can be selected. When tests are started, red light stays on constantly. Push ***Menu*** to exit test & select more tests.	T2: SAFETY (Safety) T3: AUTOM (Automatic) T4: MOTOR (Motor) T5: MODEL (Coding) T6: DISPLAY (Displays) T7: SELECTOR (Switch) T8: LEVEL 1 (Analogue sensor) T9: LEVEL 2 (W controller) T10: SENSOR (Turbidity sensor) T11: FLOW (Flow rate sensor) T12: UPDATE (At present not for customer service) T13: VALVE 1 (Prewash) T14: VALVE 2 (Main wash) T15: VAL 1+2 (Fabric softening) T16: VAL H (Hot water) T17: PUMP (Pump) T18: HEATER (Heater) T19: NOISE (At present not for customer service)
Start	Press the "Start / Pause" button	See particular test programme
Deactivate	Rotate selector switch to ***Off*** position.	Appliance is switched off

Displays in test programme



NOTE: "" = drum speed (RPM) & "**n**" = pressure switch reading.

Numeral	Displayed letter	Component / Function
1	D	Door
2	M	Motor
3	P	Pump
4	H	Heater
5	V	Valve
6	1	Prewash valve
7	2	Cold water valve
8	3	Hot water valve
9 N	0	0 level
9 N	H	Heat level
9 N	D	Door level
10	—	Component actuated
11	.....	Component not actuated
12		Clockwise rotation (cw)
12		Anti-clockwise rotation (ccw)

Water levels

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WFR 2460 Service Tips -- Test Program (2)

The last 8 fault codes are stored & displayed!

T1: Error (error displays).

The programme can be ended with the "Start / Pause" button. The errors can be selected with the "Menu" button. Only the errors of the last 8 wash programmes are stored and displayed.

Sequence:

Time/Operation	Display	Note
HINT: # of errors reads "**0**" for faults which didn't occur. Look at # of errors, not error #, to see if faults occurred.	>>MENU T1: ERRORS 7– Er : 12 Number of errors Error number	The error frequency is displayed on the lower line and the error number on the right. **HINT**: Scroll thru all errors to check if any occurred.

Display	Error	Possible cause	Remedial action
Er: 01	Door open	Door switch not actuated	Close door, check lock
Er: 02	Door lock cannot be released		
Er: 03	Door lock cannot be locked		
Er: 04	Door actuation defective	Triac defective / relay stuck	Replace controller
Er: 05	NTC interruption	Cable break / NTC damaged	Rectify cable break / replace NTC
Er: 06	NTC short-circuit	Cable short-circuit / NTC damaged	Rectify cable short-circuit / replace NTC
Er: 07	Unexpected heating	Temperature increase without actuation of heater	Start T/P18 heater test programme
Er: 08	Heating time exceeded	After 105 min.	Start T/P18 heater test programme
Er: 09	Uncontrolled motor acceleration	Motor triac defective	Start T/P4 motor test programme
Er: 10	Motor does not rotate	No / incorrect tacho-generator signal	Start T/P4 motor test programme
Er: 11	Reversing relay test not passed		Start T/P4 motor test programme
Er: 12	Flow rate sensor outside operating range	Sensor / line	Check line Replace sensor
Er: 13	Flow rate sensor detects low water level	Water inlet / sensor	Start T/P11 sensor test programme
Er: 14	Water inlet time exceeded	W controller after 6 min.	Start T/P9 controller test programme
Er: 15	Pumping time exceeded	0 level not reached within 6 min.	Check pump circuit
Er: 16	Safety level reached		Start T/P8 and 9 level test programme
Er: 17	Pressure sensor		Check line Replace sensor
Er: 18	Calibration of pressure sensor not possible		Start T/P8 level test programme
Er: 19	Aqua stop fault	Aqua stop actuated	Eliminate leaks
Er: 20	Turbidity sensor	Calibration not possible	Start T/P10 sensor test programme
Er: 21	Update		
Er: 22	Spin cycle terminated	After 15 start-up attempts	Start T/P4 motor test programme
Er: 23	Foam detected	Via analogue sensor	Consult customer about dosing